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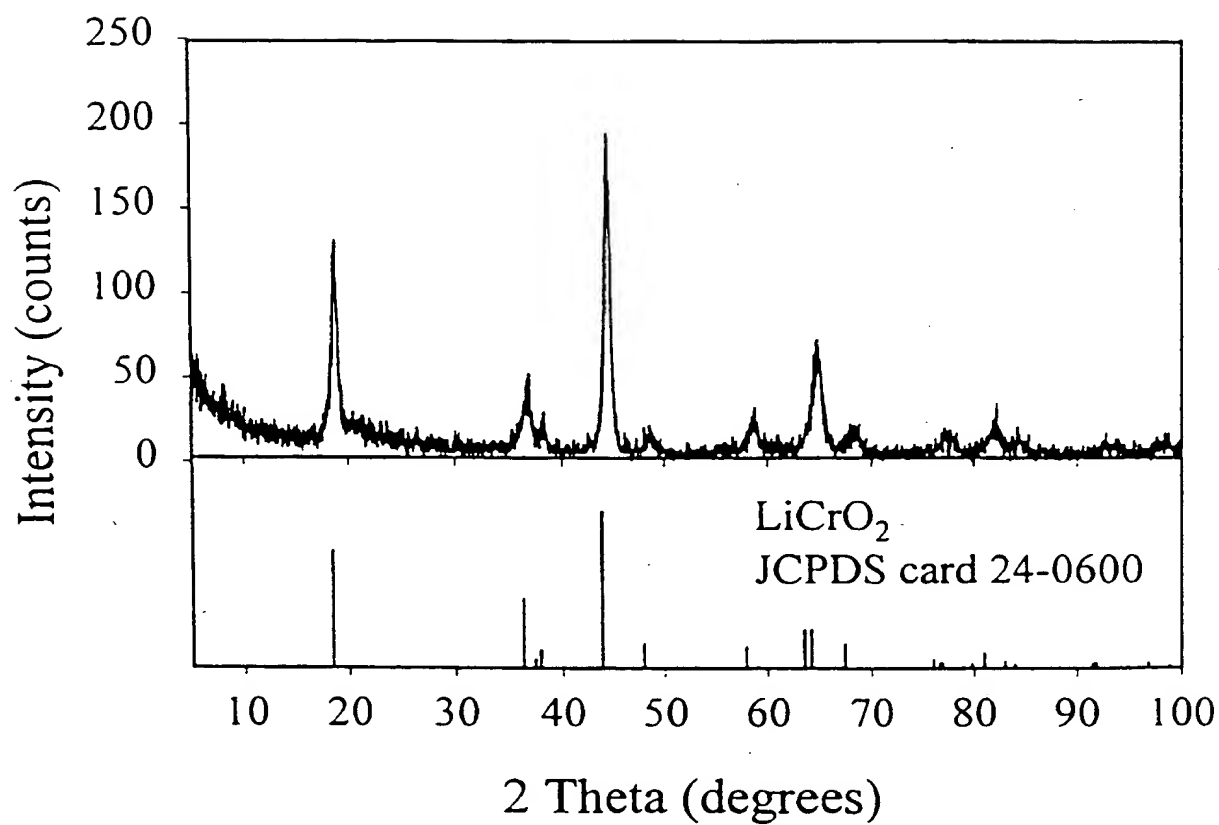


Figure 1

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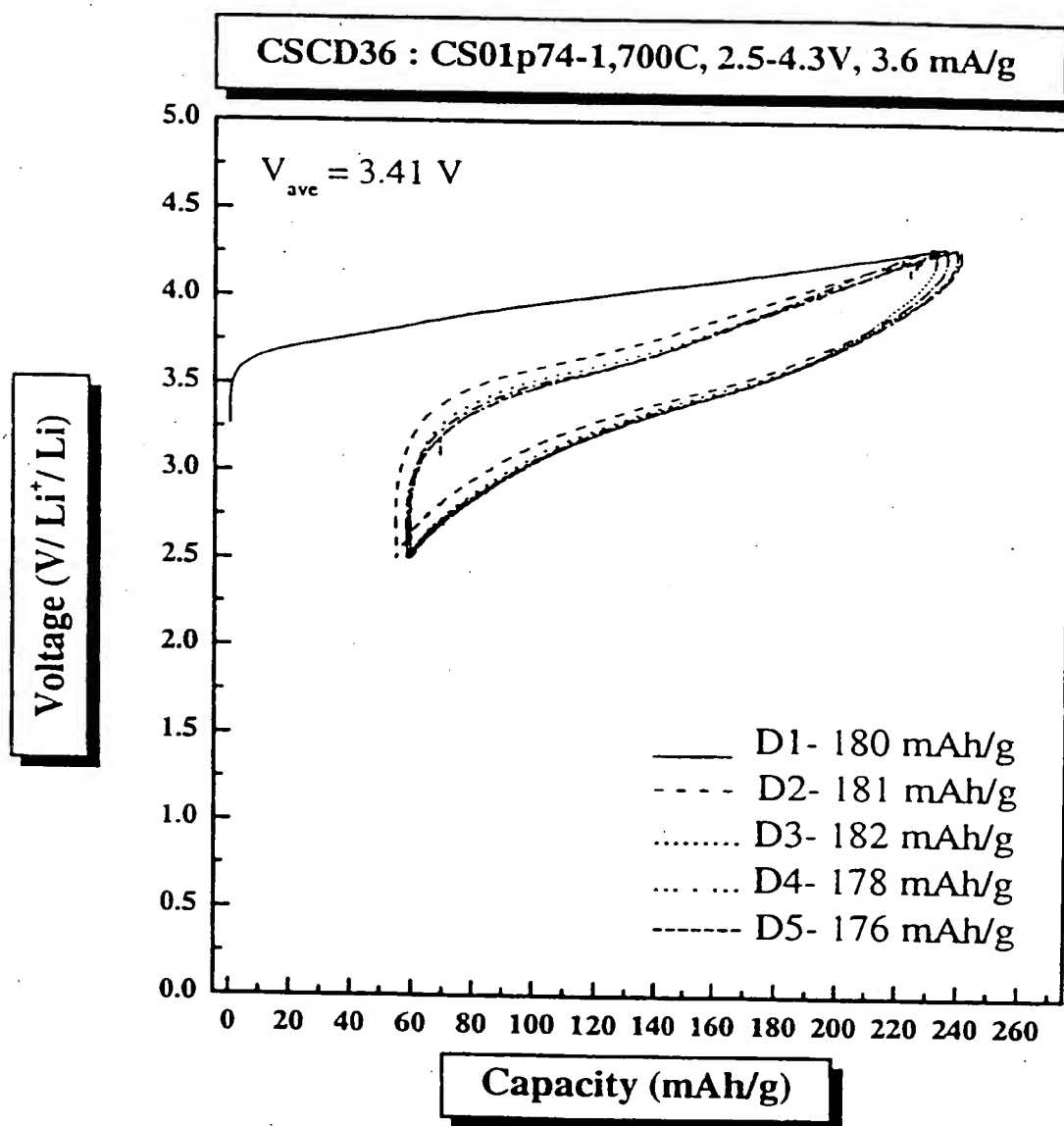


Figure 2

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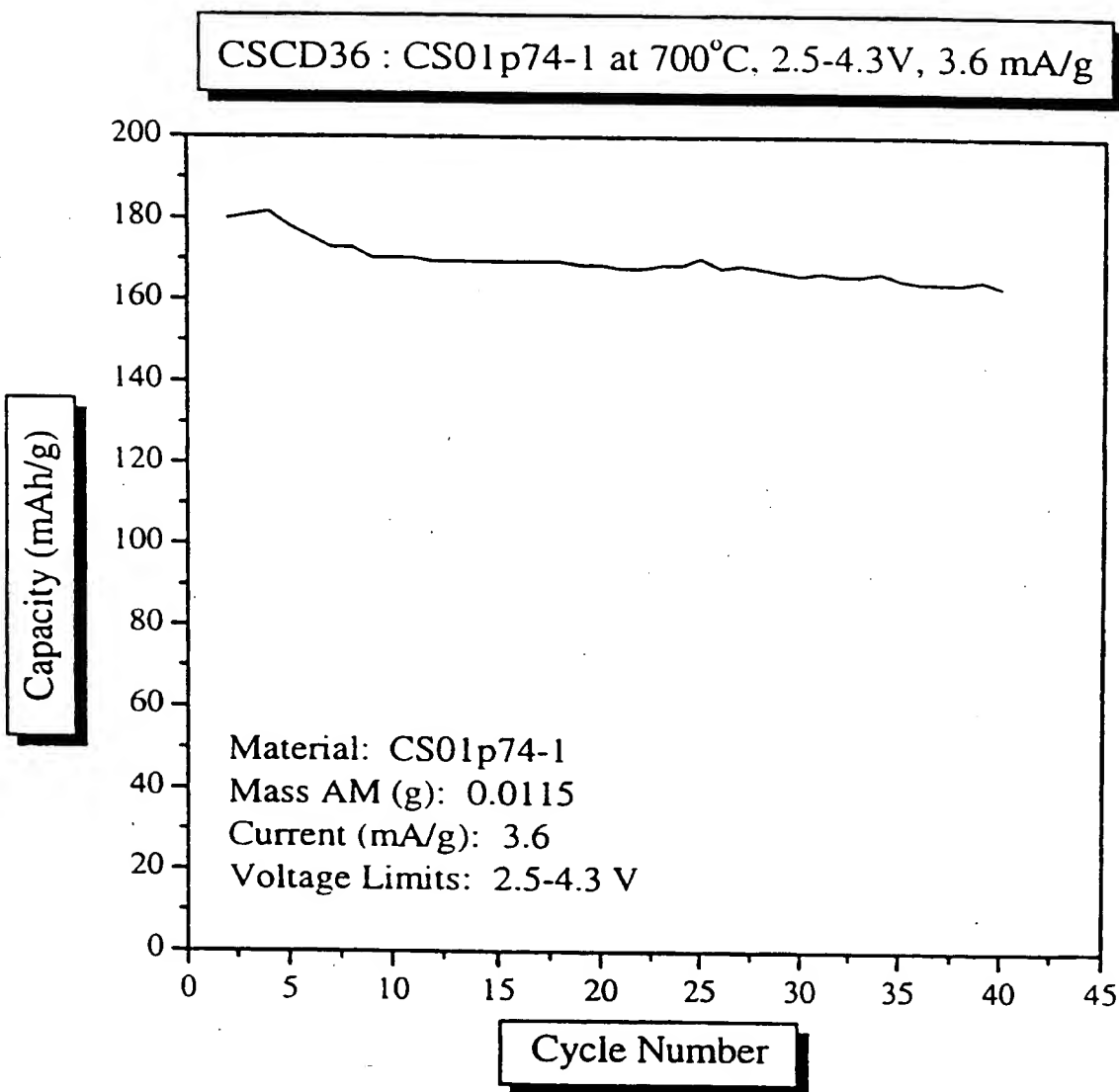


Figure 3

CSCD53 : p74-1 by SD at 700C

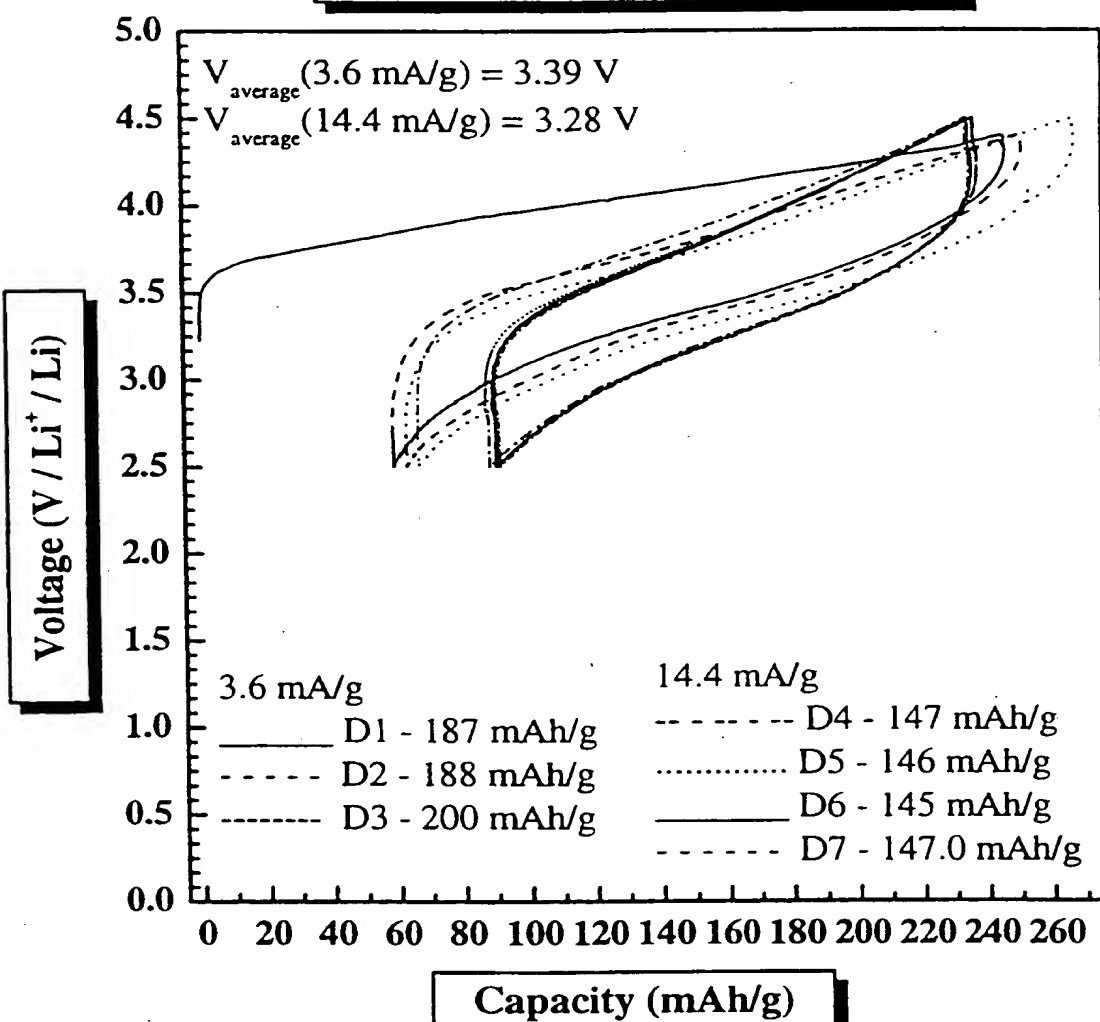


Figure 4

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CSCD51: CS01p74-1 SD at 700°C, 2.5-4.3V and 2.5-4.5V, 7.2 mA/g

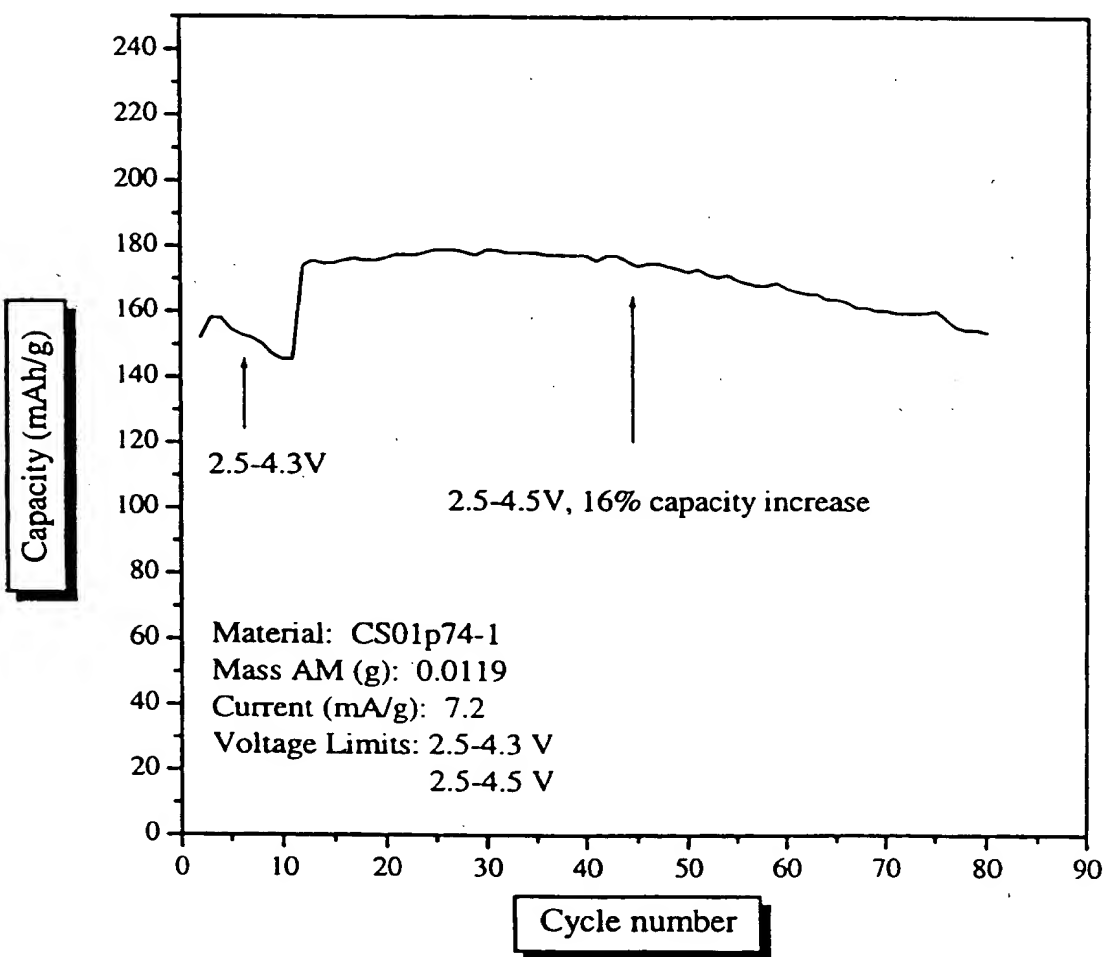


Figure 5

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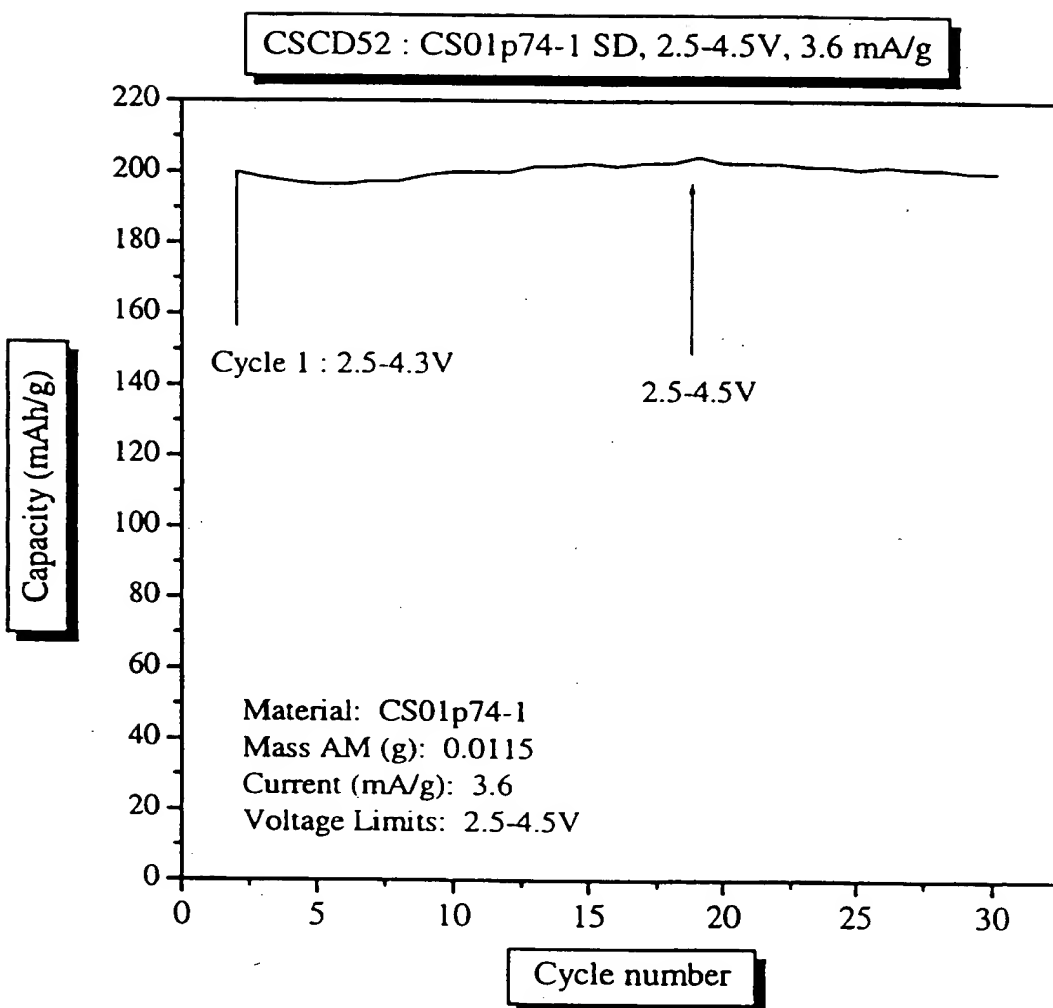


Figure 6

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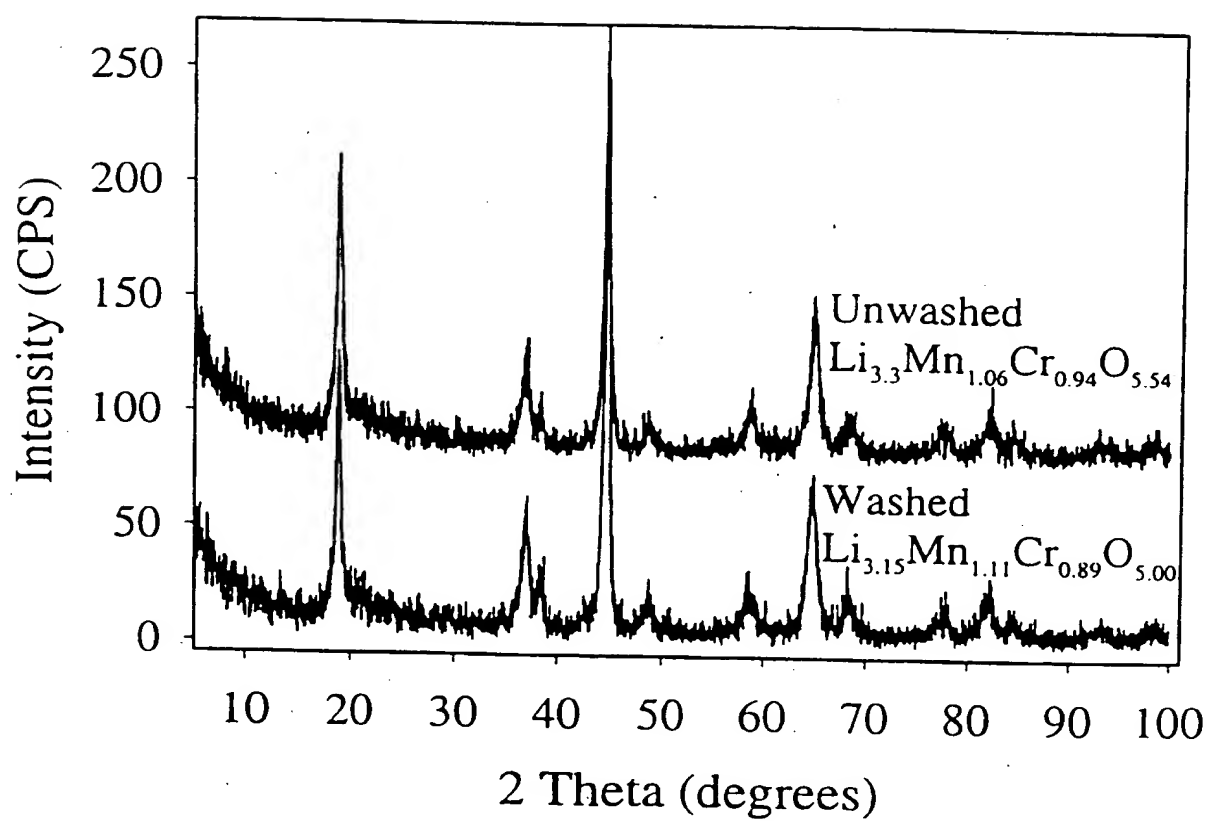


Figure 7

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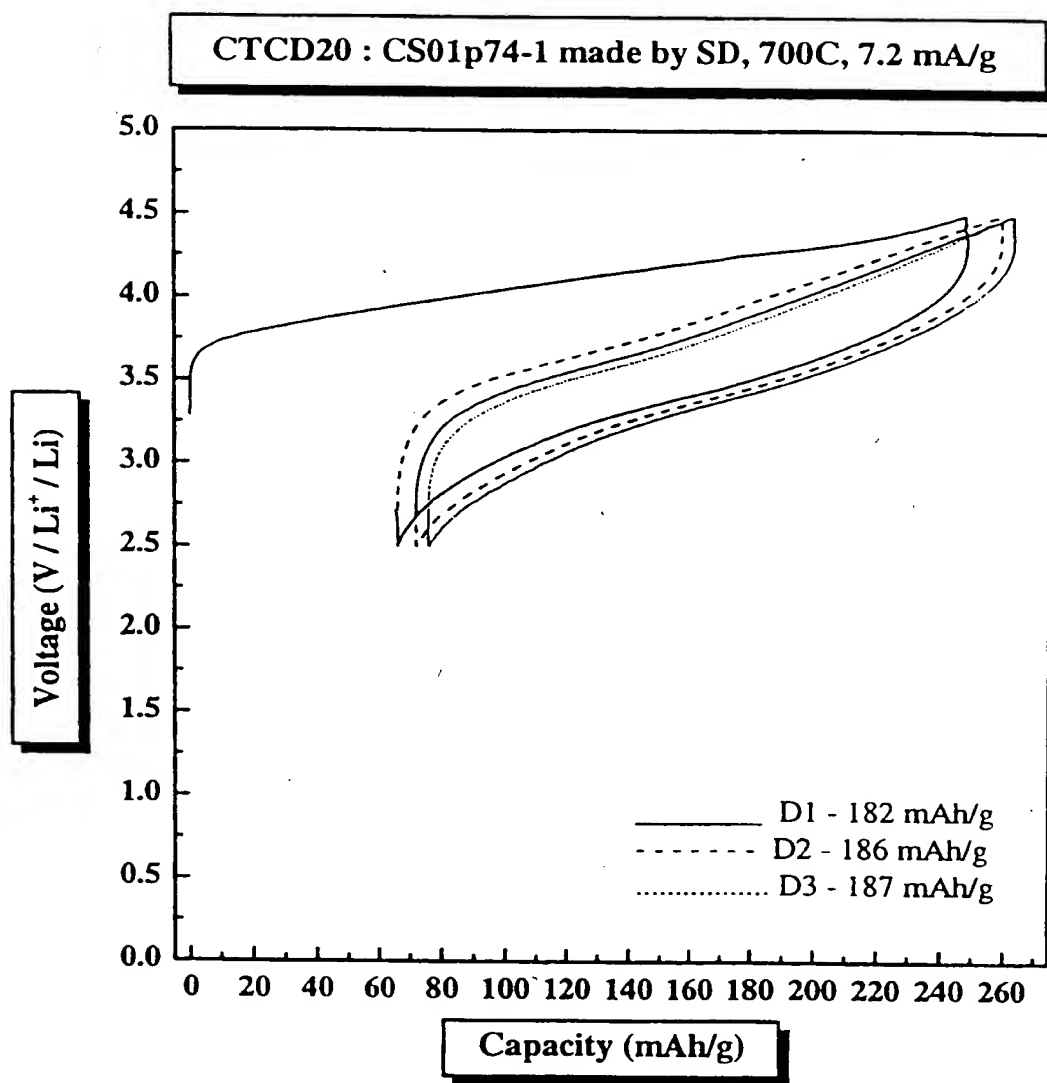


Figure 8

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CTCD43 : CS02p74-1, Cycling to 4.7 Volts at 3.6 mA/g

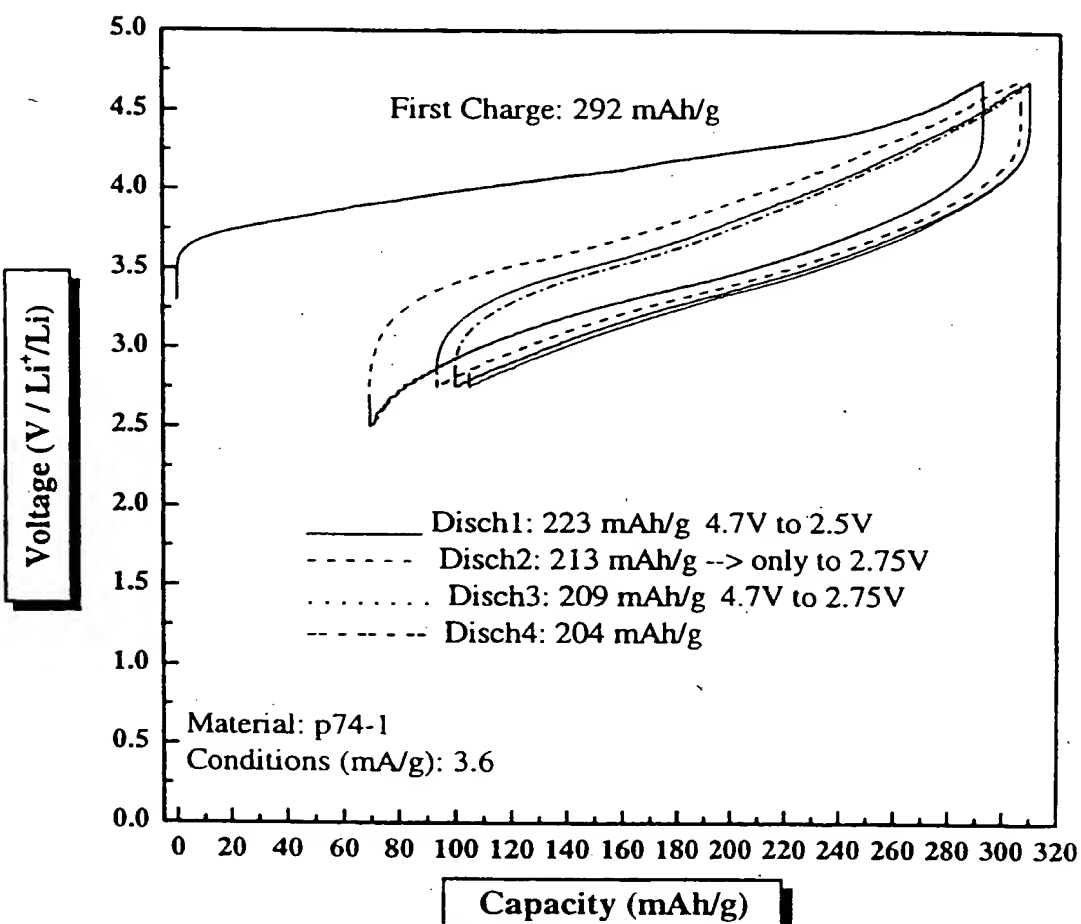


Figure 9

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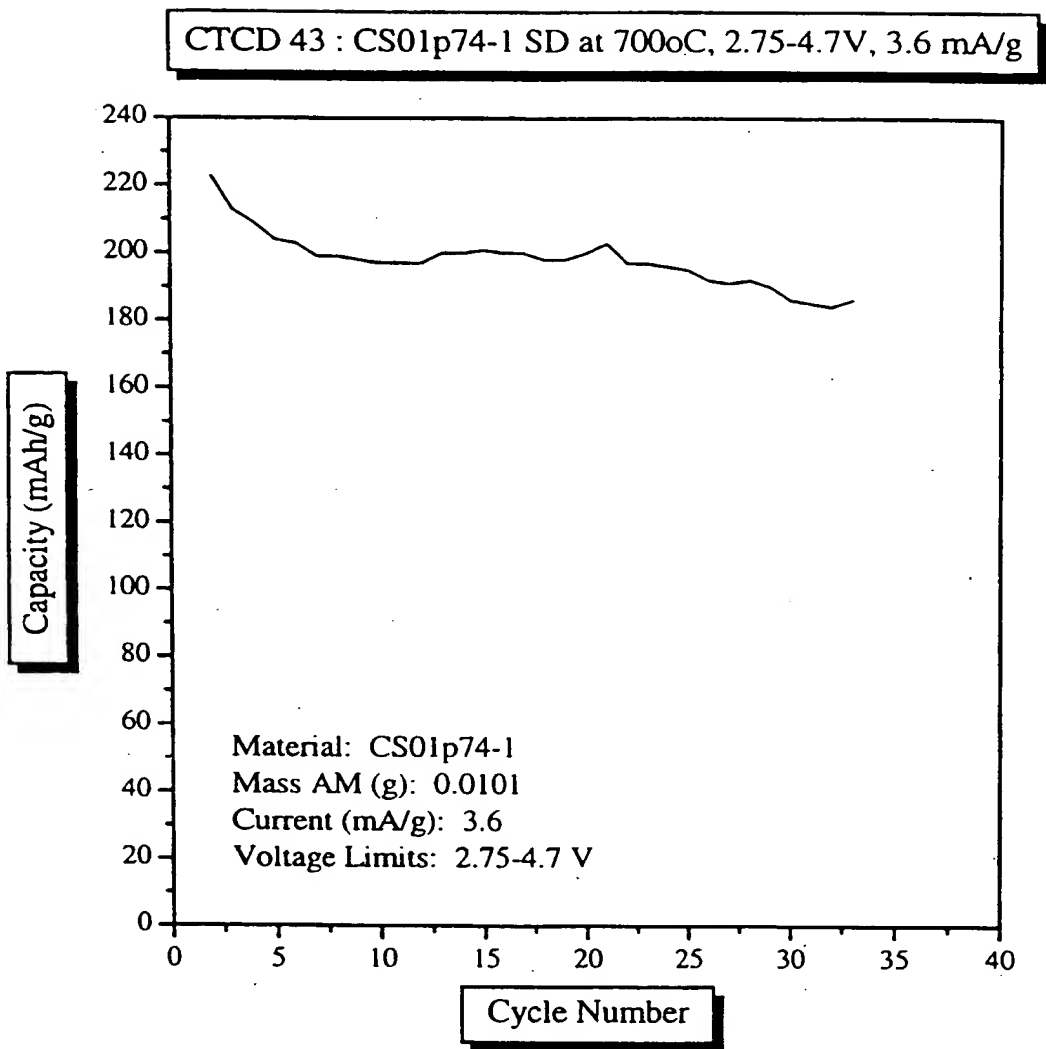


Figure 10

The figure is a line graph representing an X-ray diffraction (XRD) pattern. The vertical axis is labeled 'Intensity (CPS)' and ranges from 0 to 300 with major tick marks every 50 units. The horizontal axis is labeled '2 Theta (degrees)' and ranges from 10 to 100 with major tick marks every 10 units. The plot shows a series of sharp, vertical peaks superimposed on a noisy baseline. The most prominent peak is located at approximately 45 degrees 2-theta, reaching an intensity of nearly 300 CPS. Other significant peaks are observed at approximately 19 degrees (intensity ~170 CPS), 37 degrees (intensity ~75 CPS), and 65 degrees (intensity ~95 CPS). Several smaller peaks are visible across the range, particularly between 40 and 80 degrees. The baseline intensity is relatively low, fluctuating between 0 and 20 CPS.

Figure 11

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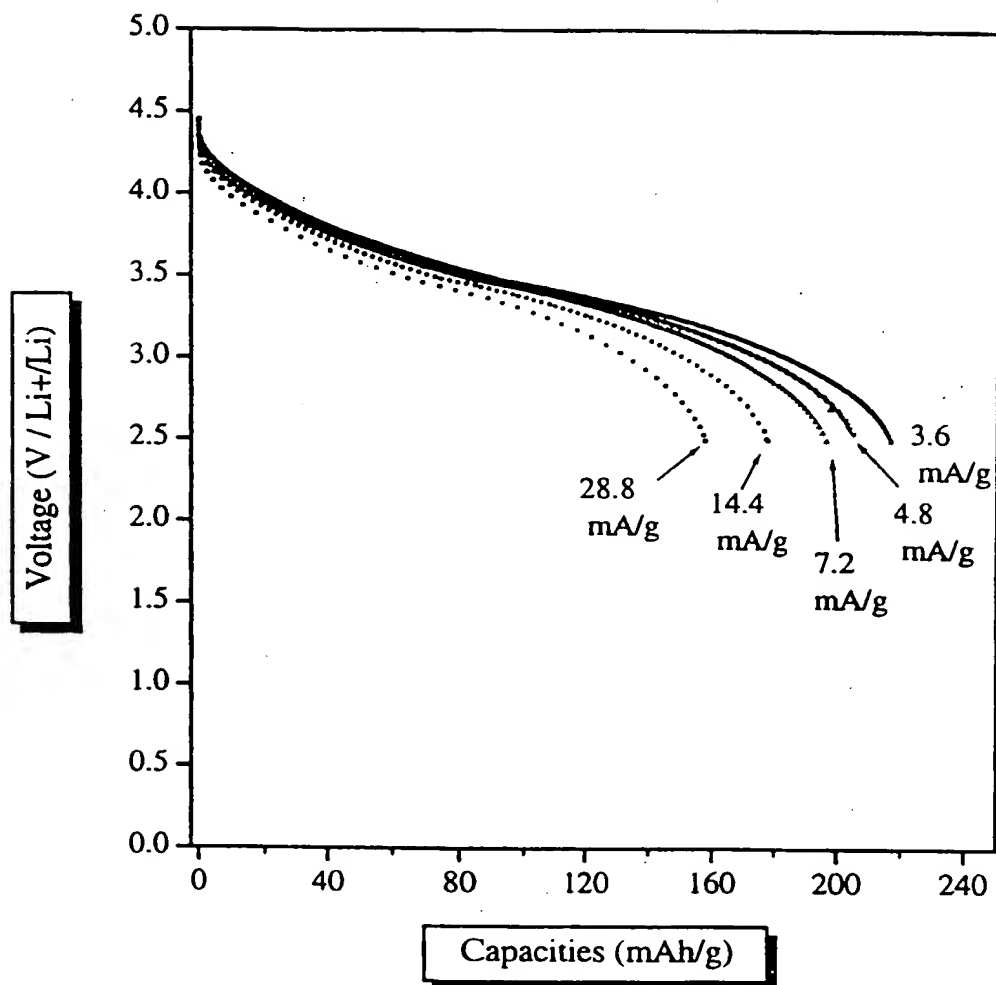


Figure 12

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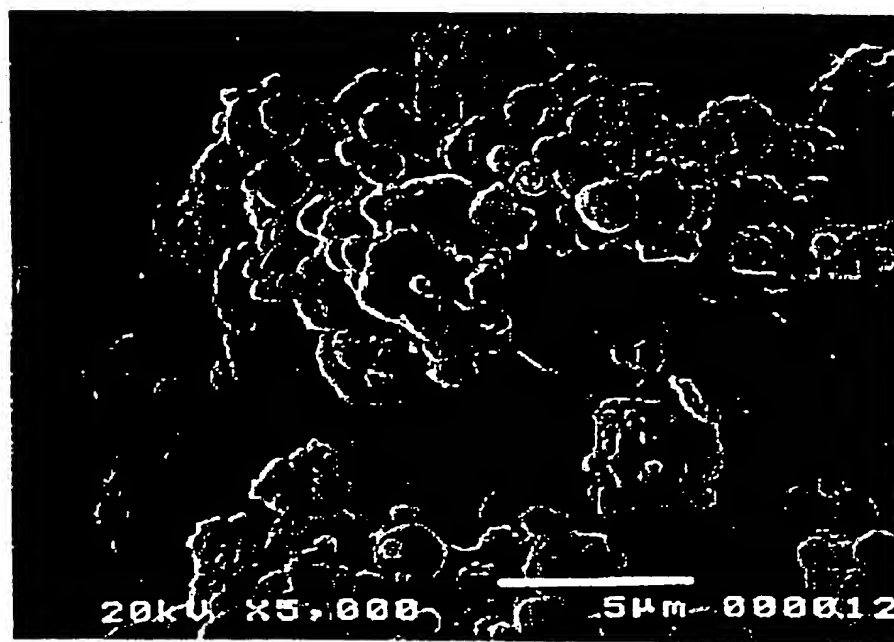
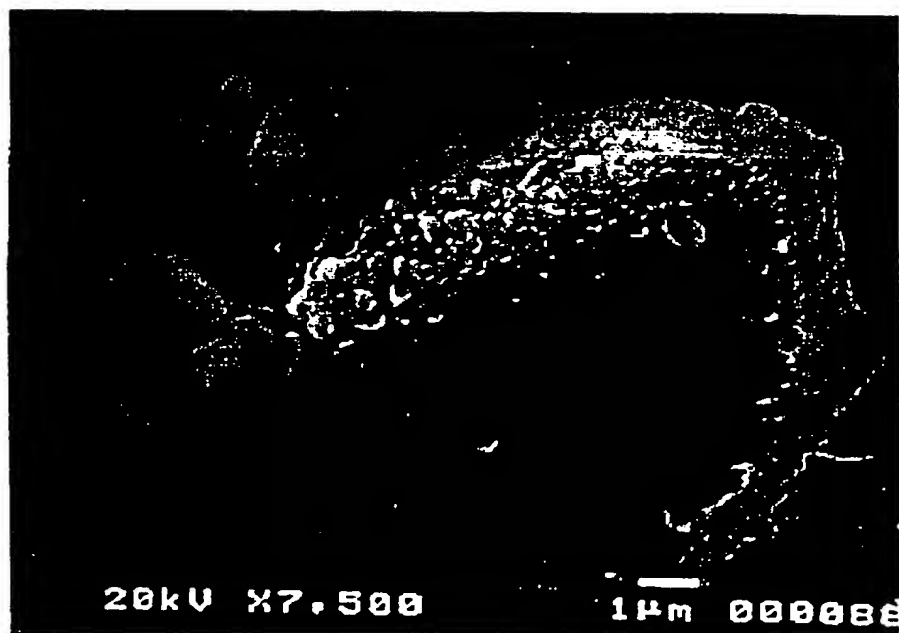


Figure 13

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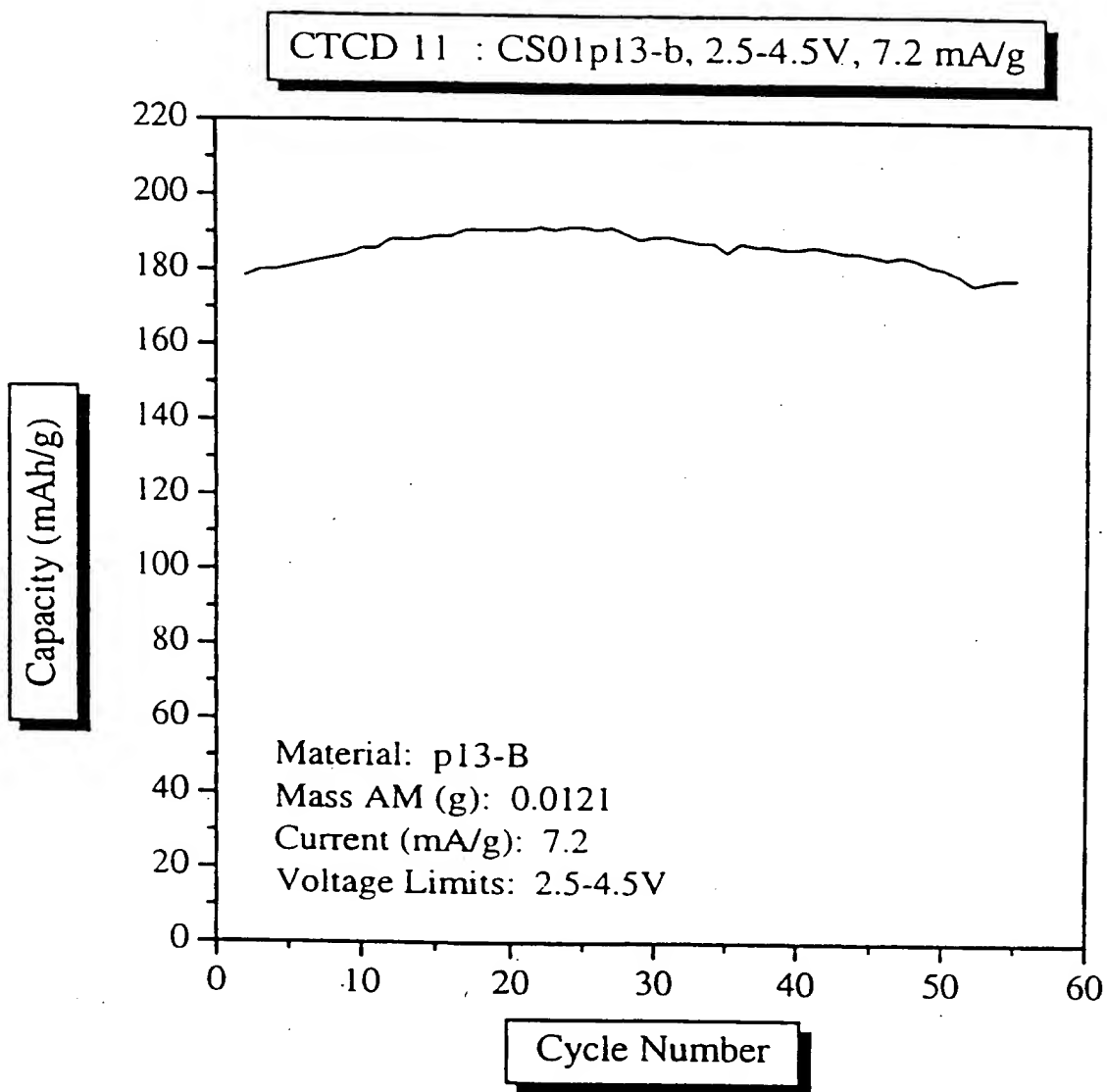


Figure 14

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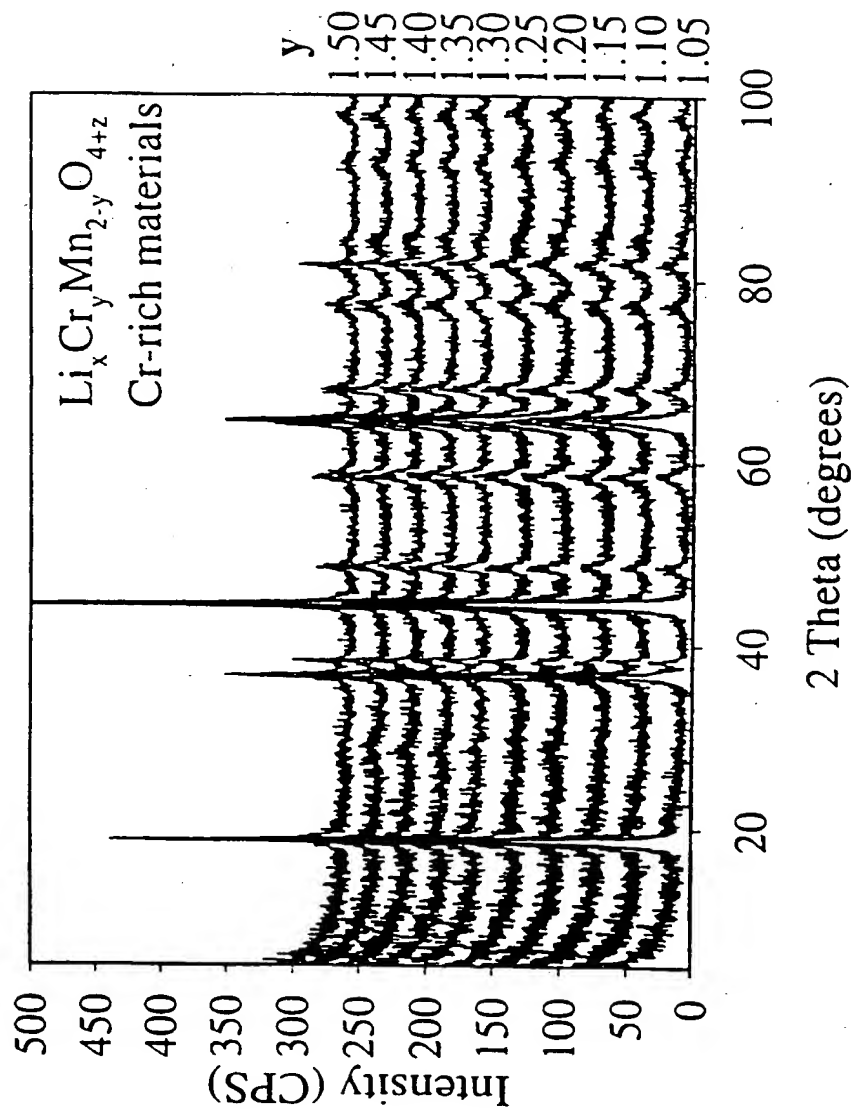


Figure 15

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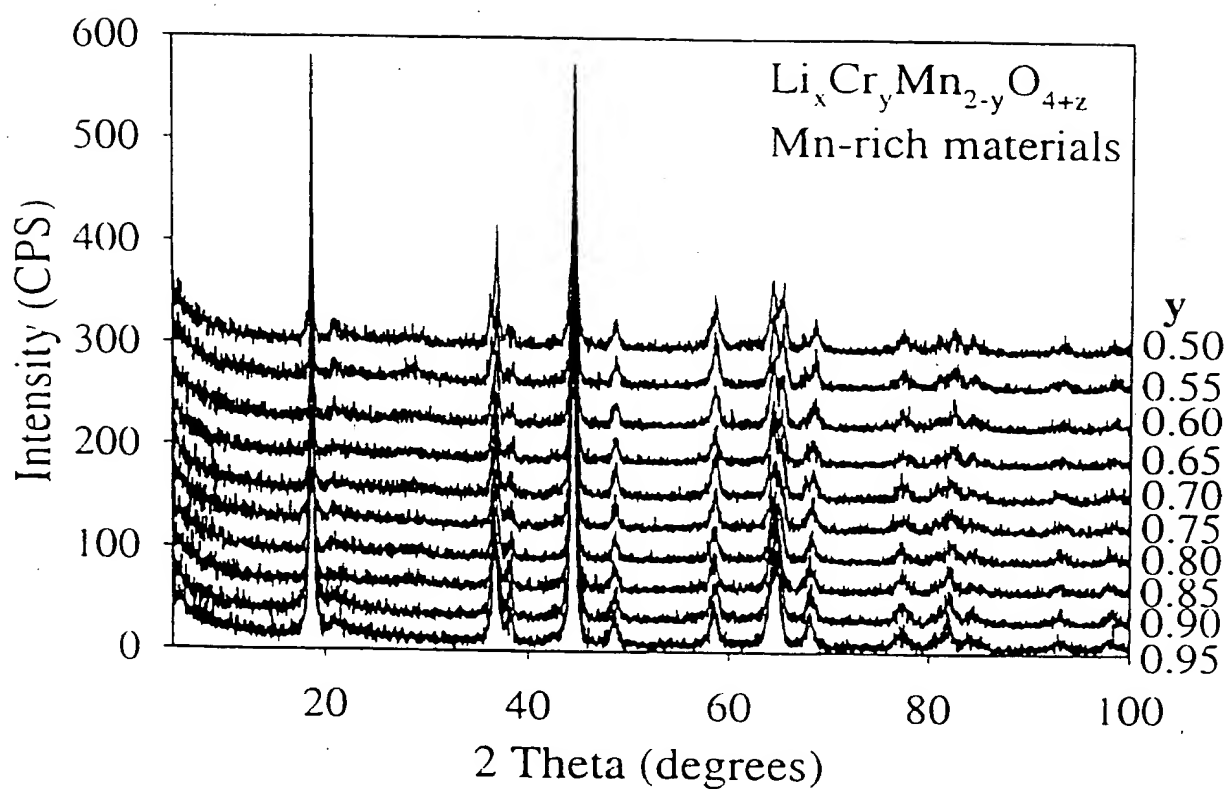


Figure 16

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CSCD91: CS02p15-1, 2.5-4.3 V, 3.6 mA/g

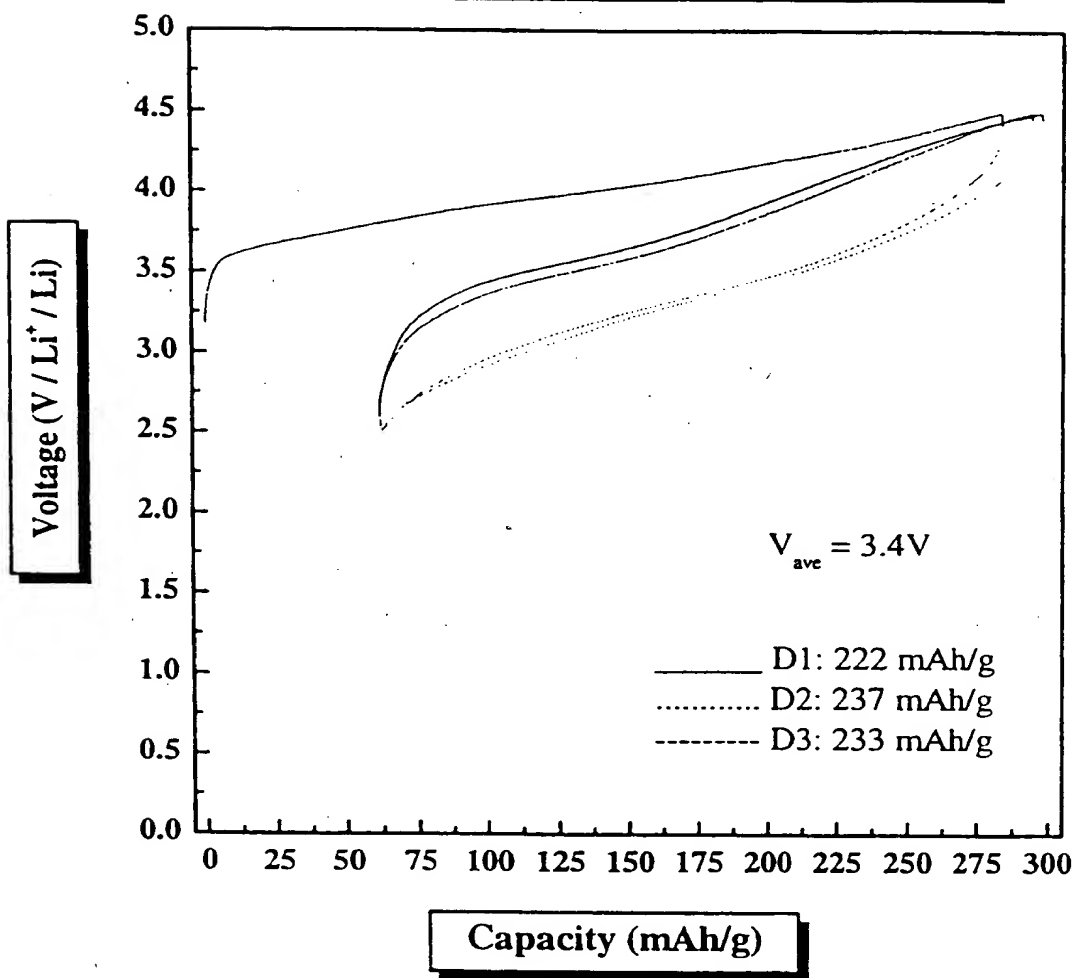


Figure 17

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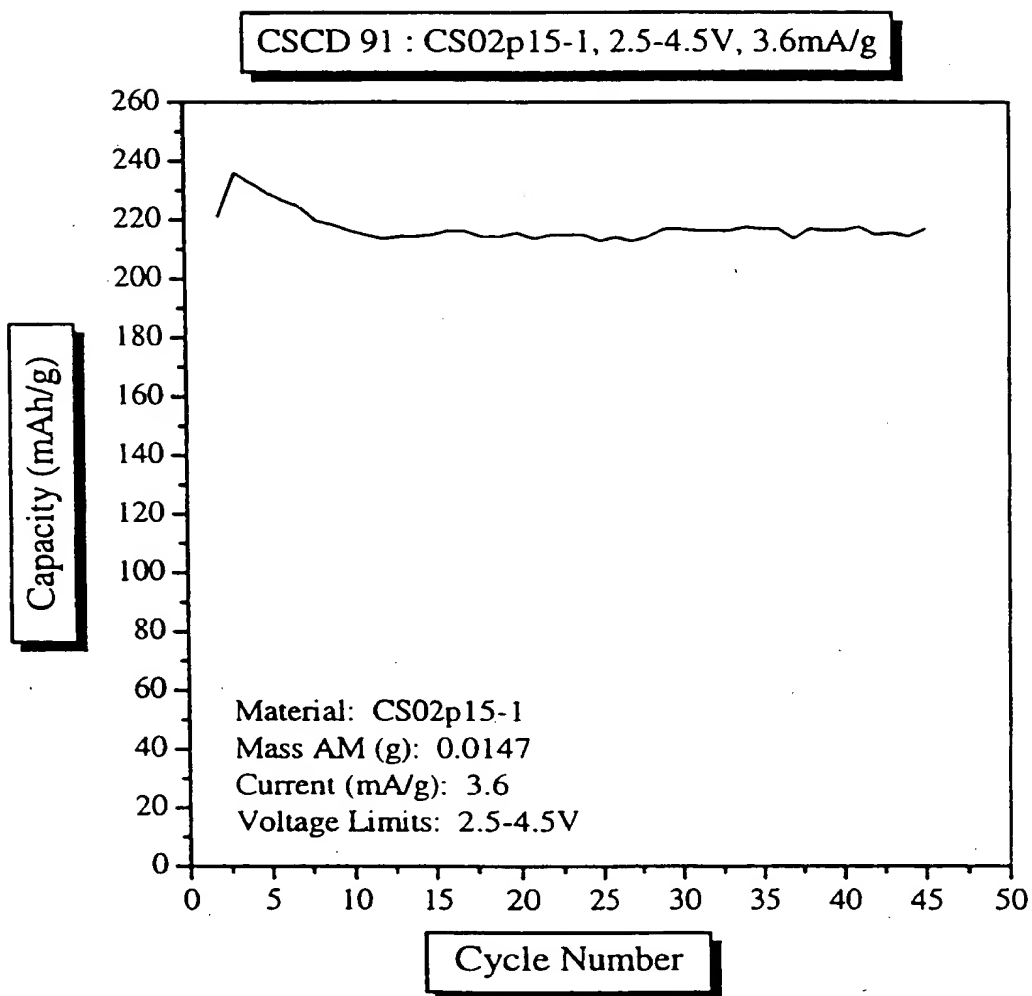


Figure 18

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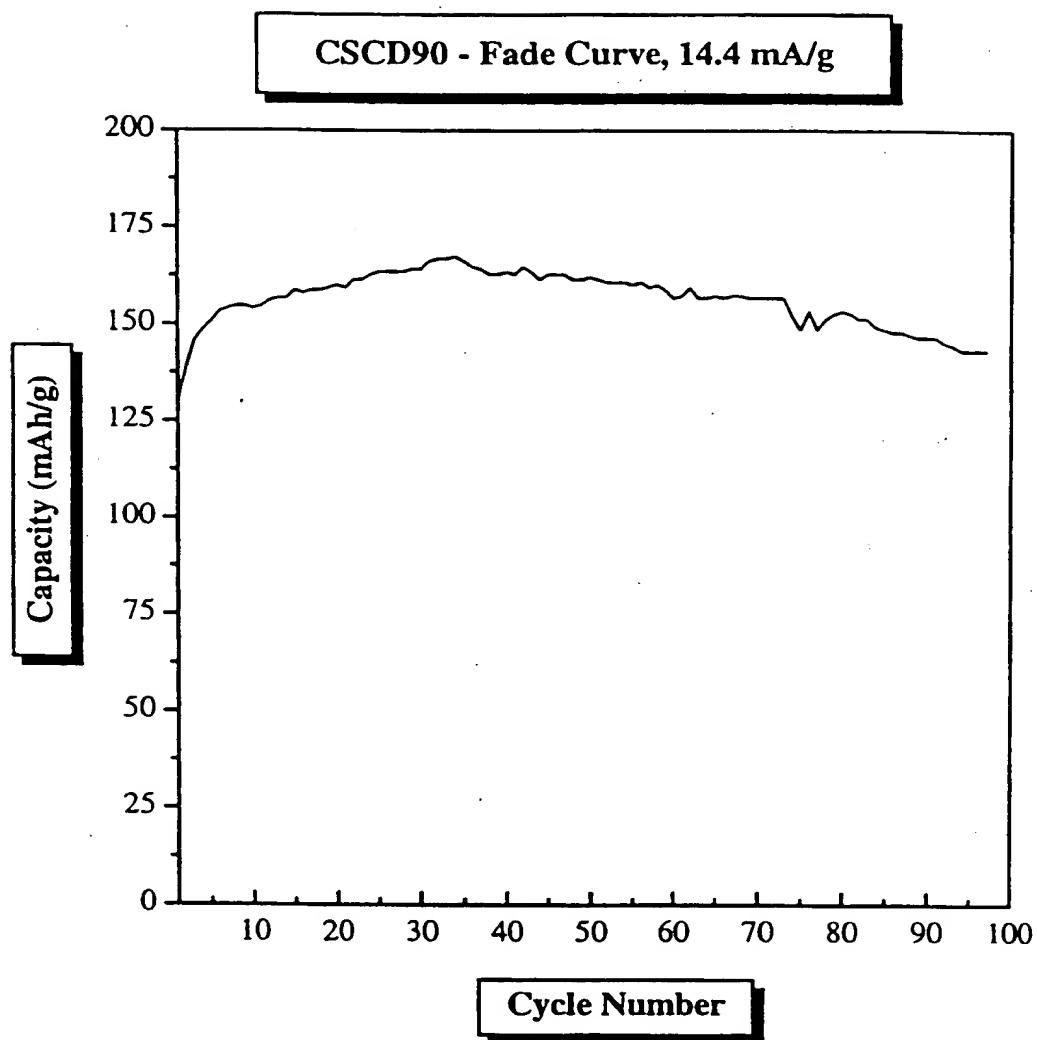


Figure 19

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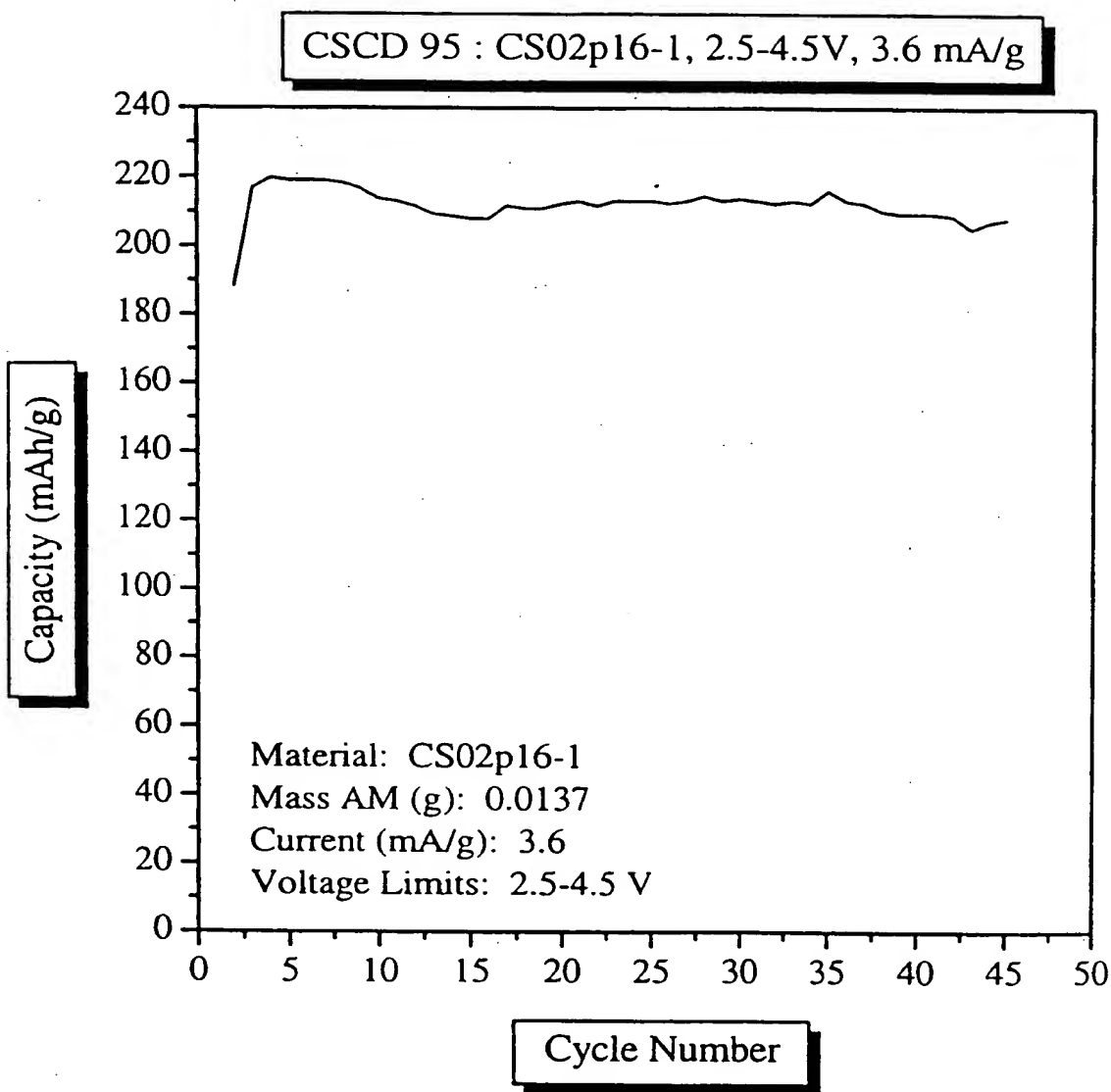


Figure 20

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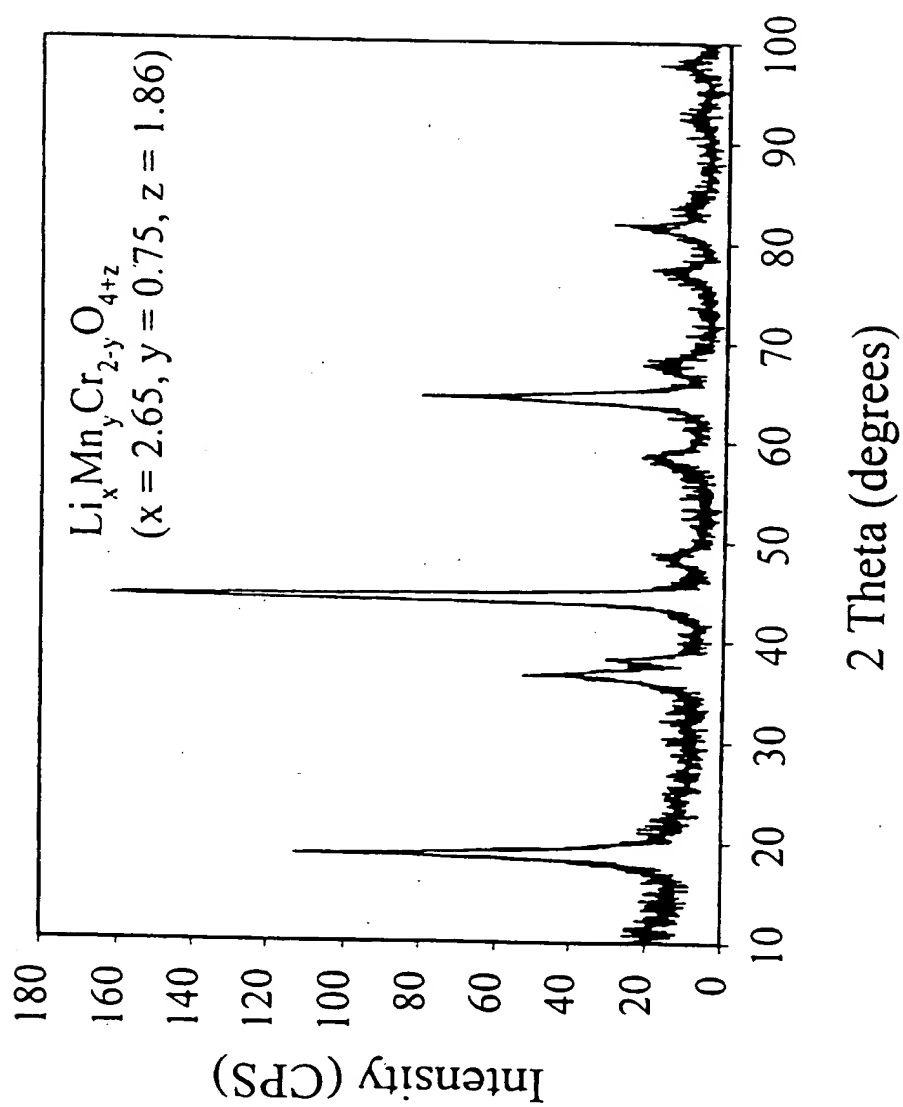


Figure 21

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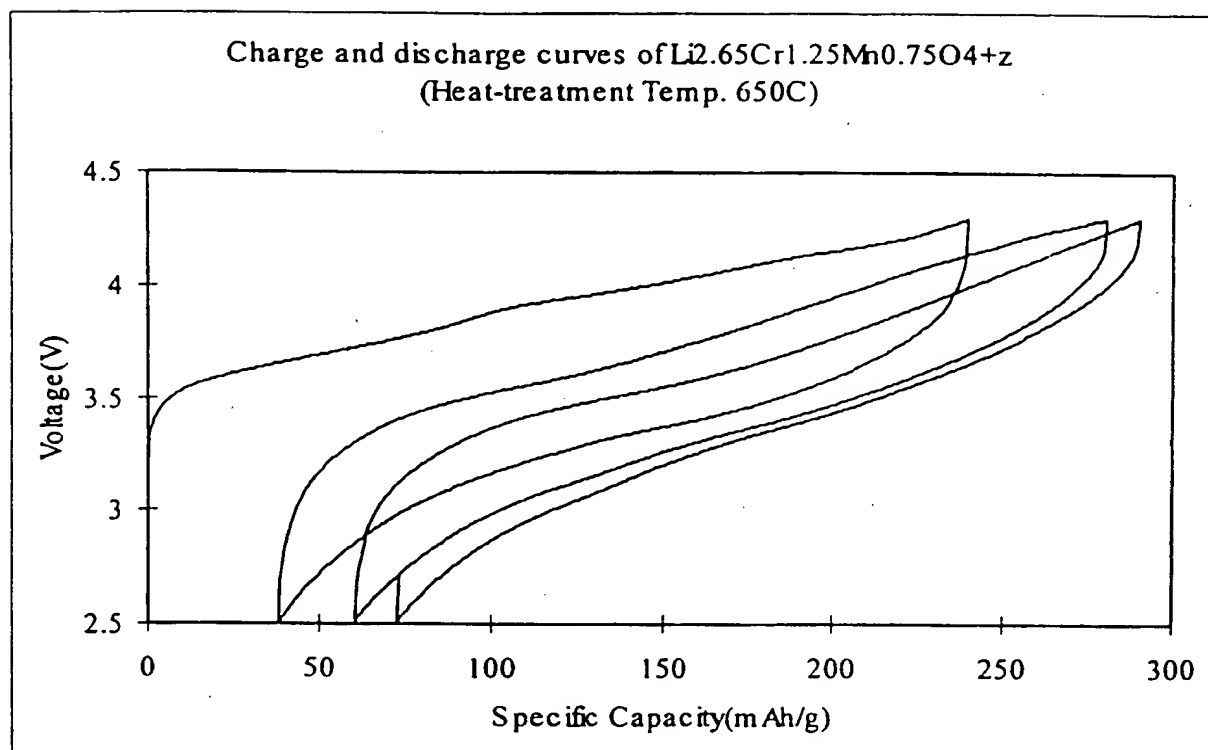


Figure 22

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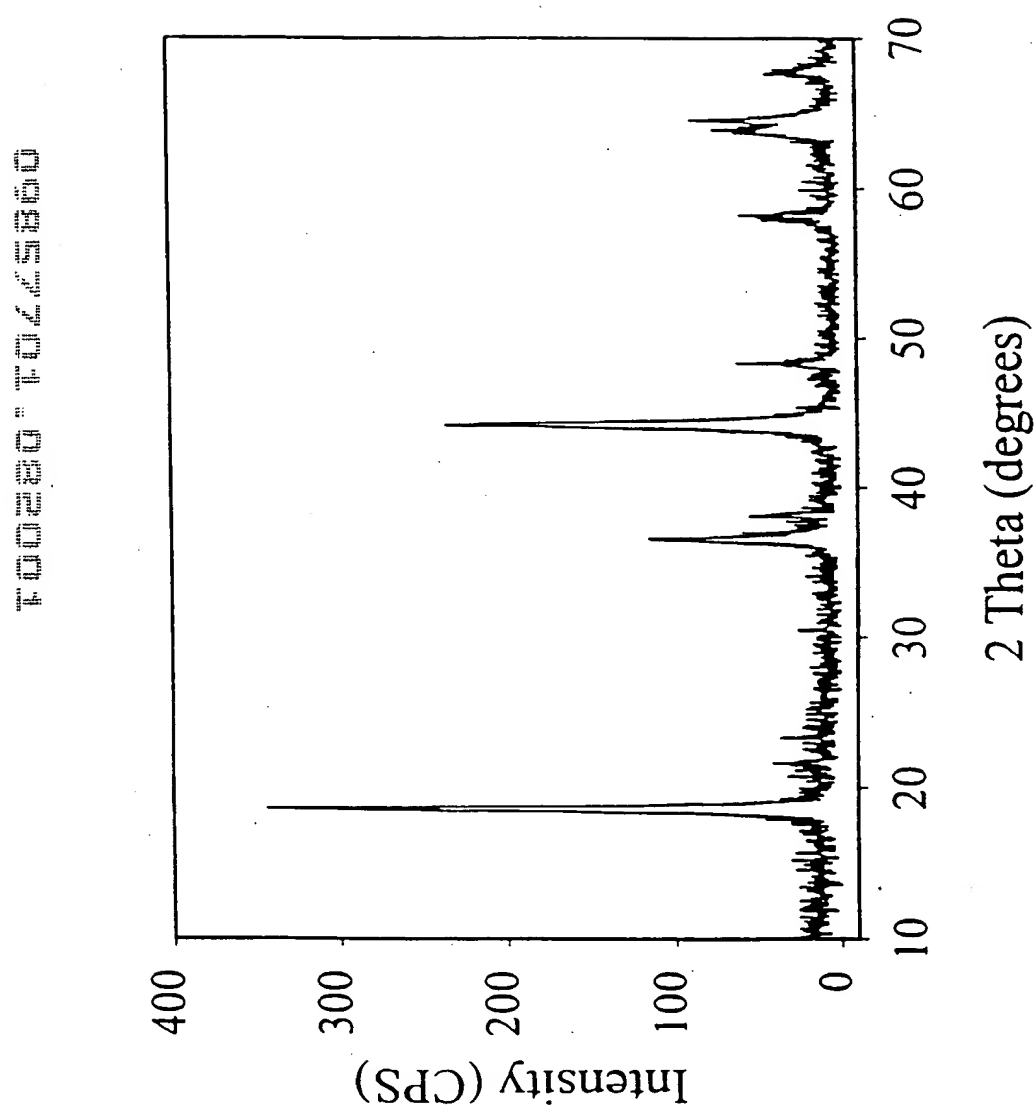
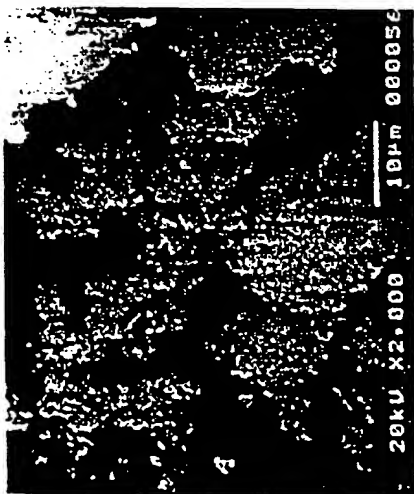
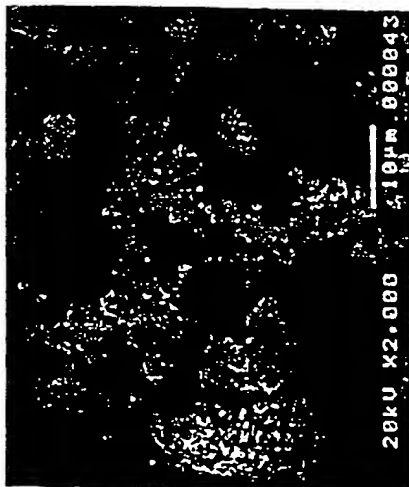


Figure 23

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c)Cr-Mn-(OH)x from sulfates



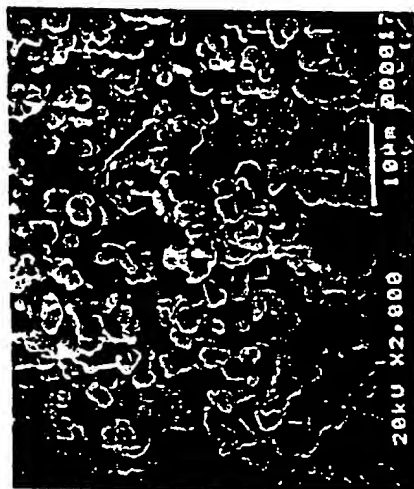
f)Li2.55Cr1.04Mn0.96O4+z
from sulfates (650°C)



b)Cr-Mn-(OH)x from nitrates



e)Li2.77Cr1.23Mn0.77O4+z
from nitrates (650°C)



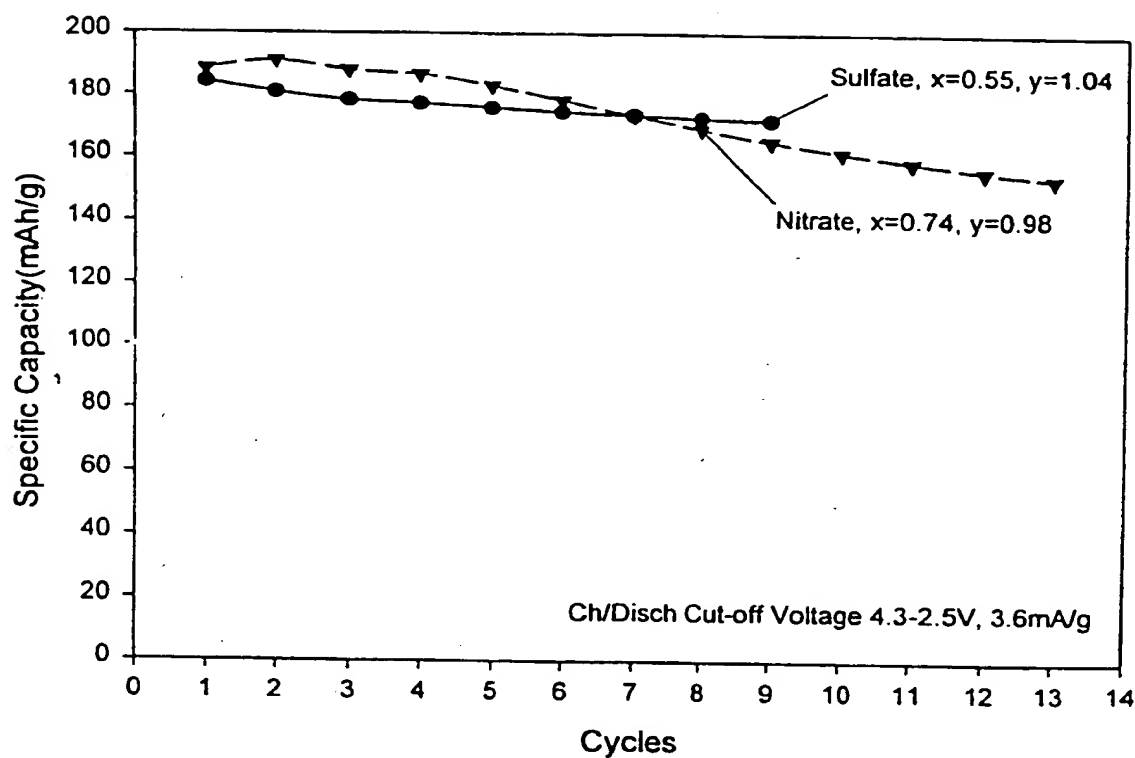
a) Solid state process (1000°C)



d)Li2.65Cr1.25Mn0.75O4+z
from nitrates (650°C)

Figure 24

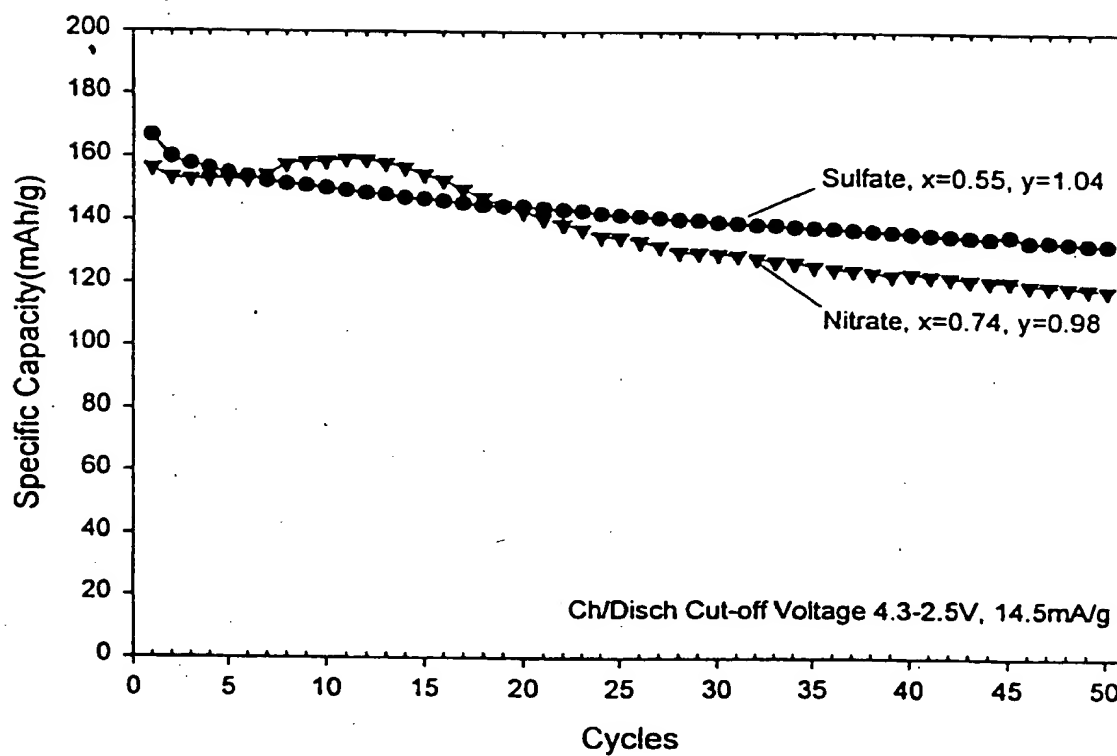
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Specific capacity at 3.6 mA/g of $\text{Li}_{2+x}\text{Cr}_y\text{Mn}_{2-y}\text{O}_4+z$ samples prepared by the co-precipitation process from indicated metal salts.

Figure 25

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Specific capacity at 14.5 mA/g of $\text{Li}_{2+x}\text{Cr}_y\text{Mn}_{2-y}\text{O}_4+z$ samples prepared by the co-precipitation process from indicated metal salts.

Figure 26